CLAIMS

1. A motor-base-holder comprising:

(a) a motor base including:

(a-1) a base;

(a-2) a bearing supporter protruded vertically from said base for supporting a bearing;

(a-3) a stator supporter concentric with said bearing supporter for being mounted with a stator;

(a-4) a terminal made of metal plate and insert-molded around said bearing supporter;

(b) a frame made of the same metal as the terminal and linked with fringe of said motor base

2. The motor-base-holder as defined in Claim 1, wherein a plurality of said motor bases are linked to each other.

3. The motor-base-holder as defined in Claim 1, wherein a plurality of said motor bases are linked to each other and form a belt-like shape.

4. The motor-base-holder as defined in Claim 3, wherein a plurality of said motor bases are linked to said frame in width direction of the belt-like shape, and adjacent said motor bases are separated in longitudinal direction.

5. A motor comprising:

(a) a motor base including;

(a-1) a base;

(a-2) a bearing supporter protruded vertically from said base for supporting a bearing;

(a-3) a stator supporter concentric with said bearing supporter;

(a-4) a terminal made of metal plate and insert-molded around said bearing supporter;

wherein said motor base is formed by cutting off bridges linking between said motor base and a frame around said motor base.

(b) a stator mounted to the stator supporter; and

(c) a rotor supported by the bearing which is supported by said bearing supporter.

6. A motor comprising:

(a) a stator having a stator core;

(b) a motor base including:

(b-1) a base;

(b-2) a bearing supporter protruded vertically from said base for supporting a bearing;

(b-3) a stator supporter concentric with said bearing supporter;

(b-4) a stator fixer extended from said stator supporter; and

(c) a rotor supported by said bearing supported by said bearing supporter,

wherein after the stator core is inserted into said stator supporter, a bushing is press-fitted into said stator fixer, thereby fixing said stator.

7. A motor comprising:

(a) a motor base including:

(a-1) a base;

(a-2) a bearing supporter protruded vertically from said base for supporting a bearing;

(a-3) a stator supporter;

(a-4) a terminal made of metal plate and disposed around said bearing supporter;

(a-5) a metal tip extended outside of said motor base;

(b) a stator mounted to said stator supporter;

(c) a rotor supported by the bearing which is supported by said bearing supporter; and

(d) a metal cover, of which end is fixed to said metal tip, for covering said rotor.

8. The motor as defined in Claim 7, wherein the end of said metal cover is fixed to said metal tip by welding.

9. The motor as defined in Claim 7, wherein the end of said metal cover is fixed to said metal tip by engaging and deforming thereof.

10. A method of assembling a motor using a motor-base-holder, wherein the motor-base-holder comprises:

(a) a base;

(b) a bearing supporter protruded vertically from said base for supporting a bearing;

(c) a stator supporter concentric with said bearing supporter for being mounted with a stator; and

(d) a motor base having a terminal made of a metal plate and insert-molded around the bearing supporter; and

(e) a frame made of the same metal as the terminal and linked with fringe of said motor base,

wherein said method comprises the steps of:

positioning and supporting the motor base at a given place by the frame;

assembling the stator and a rotor of said motor to the motor base; and

detaching the motor base from the frame.

11. The method of assembling a motor as defined in Claim 10, wherein said motor-base-holder uses a plurality of motor bases linked to each other.

12. The method of assembling a motor as defined in Claim 10, wherein said motor-base-holder uses a plurality of motor bases linked to each other to form a belt-like shape.

13. The motor as defined in Claim 5, wherein the bridges are dispersively disposed around said motor base as well as between the frame and said motor base.